

IN REPLY PLEASE REFER TO

Soil Aggregates Designations

## State of Rew Jersey

## DEPARTMENT OF TRANSPORTATION

1035 PARKWAY AVENUE TRENTON, NEW JERSEY 08625

February 28, 1978

## MEMORANDUM

All Design Units

Soil Aggregate Designations based upon the descriptions and gradations, as shown on the attached, shall be incorporated into the design requirements for all Projects.

The necessary provisions and amendments to 1961 Standard Specifications will be incorporated in a revised ADDENDA A which will be published and distributed by the Chief, Bureau of Special Engineering.

Nicolai D. Nicu

Chief, Bureau of Soils

Attachments

## SOIL AGGREGATE TABLE USAGE DESCRIPTIONS OF GRADATION DESIGNATIONS

		•
Gradation		
Designation	<u>Description</u>	
		•
I-1	A subbase material generally used as a t	op course sub-
	base beneath concrete pavements and prima	
	in the area of New Jersey to the north	
	straight line drawn from Trenton to Perth	Amboy.
1-2	A subbase material generally used as	
	course subbase beneath bituminous pay	
	course subbase beneath concrete pavement	s and primariy
	available in the area of New Jersey to	the south and
	east of a straight line drawn from Tre	
	Amboy.	
		1 2
1-3	A subbase material generally used as a	hottom course
1-3	subbase beneath subbase I-I or beneath	
	aggregate base course and primarily use	
	area of New Jersey as mentioned in I-1.	
	in soil deposits in most areas of New Jer	sey•
I-4	A subbase material intended to combine	
	course and top course into a single gra	
	beneath bitumnous pavement. Its use	is limited to
	selected conditions and areas. It is p	rimarily avail-
	able in the same area of New Jersey as I-	2.
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
I-5	A base course generally used between a	bottom course
	subbase and bituminous courses to provid	
	paving equipment. It is primarily avai	
	east of a straight line drawn from Tr	
	Amboy.	CHECK CO ICILI
	Amboy.	
<b>T</b> 6		Cond Dwedn some
I-6	Soil aggregate for use in sand drains in	Sand Drain Cype
••	construction.	
I <b>-</b> 7	Soil aggregate for use as a sand blanket	
	placed directly on meadow mat or soft s	
	"Sand Drain" or "Sand blanket" types o	f construction.
I-8	Filter sand for use around porous conc	
<del>.</del>	pipes to prevent infiltration of surrour	ding soils into
	pipe openings.	

Gradation Designation	
	Description
I <b>-</b> 9	Used both as porous fill behind bridge abutments or walls and as an underwater backfill beneath bridge foundations.
I-10	Used beneath bridge foundations and placed above the water level.
I-11	Used as a general underwater backfill for areas which have been wet excavated. Also used for filling in depressions or channels in swamp or marsh areas prior to placing a sand blanket, and for a working table on top of the sand blanket in the "Sand Drain" or "Sand Blanket" types of construction.
I-12	Material for general underwater or above water embank- ments which is hydraulically pumped directly into place in embankments.
I-13	Material which is intended for use as a backfill of soft or unstable subgrades which have been undercut, and in some cases, replacement material for slope areas which have failed.